

[Name of Document]     Abstract

[Problems]

To provide a fuel cell system and a process for controlling the fuel cell system which enable prevention of the increase  
5 in the pressure difference between the poles within the fuel cell, and solution of time delay by which air pressure at a cathode inlet side reaches target air pressure, during a transition period over which an airflow amount at a cathode inlet side of the fuel cell reaches the target airflow amount.

10     [Means for Solution]

When an airflow amount (Q) and air pressure (P) are controlled to a target airflow amount (QT) and target air pressure (PT), respectively, accompanied by change in electric generation of a fuel cell, the air pressure (P) is controlled  
15 to the target air pressure (PT) in accordance with gradual change in the airflow amount, during a transition period over which the airflow amount (Q) reaches the target airflow amount (QT).

[Selected figure]     Fig. 5

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